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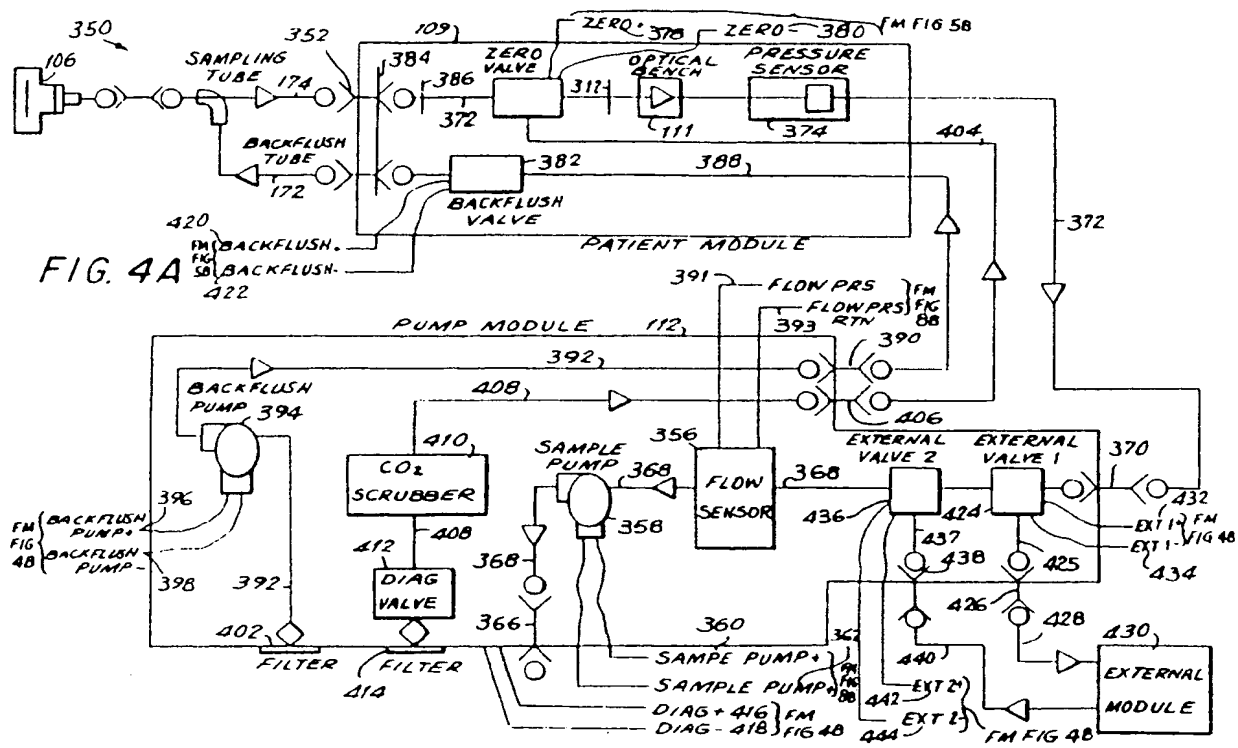
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(54) **Improved multichannel gas analyzer and method of use.**

(57) A system for backflushing an inlet filter in an airway adapter in a gas sampling system, the system having a sample conduit for transporting there-through a sample gas stream from the airway adapter to a gas analyzing means, with the sample gas stream passing through the inlet filter in a first direction to enter the sample conduit,

comprising a backflush conduit with means connected to the pressure side of a fluid pumping means and the airway adapter, and the fluid pumping means for causing a fluid flow in the backflush conduit from the fluid pumping means to the airway adapter and through the inlet filter in a second direction that is opposite the first direction.

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## EUROPEAN SEARCH REPORT

Application Number  
EP 93 10 1050

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.4)
Y	WO-A-86 02820 (ANDROS ANALYZERS) * page 3, line 5 - line 28; figures 1-3 * ---	1,2	G01N1/24 A61B5/08 B01D46/04 G01N21/35 A61B5/097 A61M16/08 G01N33/497
Y	US-A-3 705 478 (VANELDIK ET AL.) * column 1, line 11 - line 47 * * column 4, line 25 - line 43; figure 1 * * column 5, line 2 - line 15 * ---	1,2	
A	US-A-4 558 708 (LABUDA ET AL.) * column 5, line 52 - column 6, line 35; figures * ---	1	
A	US-A-4 392 387 (NGK INSULATORS) * column 1, line 22 - line 41 * * column 2, line 49 - line 60; figure * * column 3, line 58 - column 4, line 33 * ---	1	
A	EP-A-0 108 552 (TOSHIBA) * page 1, line 4 - line 17 * * page 5, line 13 - page 6, line 16; figures 6-7 * ---	1	
A	EP-A-0 095 802 (CENTRE DE RECHERCHES METALLURGIQUES) * page 6, line 18 - page 7, line 6; figure 1 * ---	1	
A	US-A-3 769 973 (ESCHENSHADE) * column 3, line 39 - line 46; figures 2-3 * ---	4	
A	GB-A-2 064 324 (GARBE) * page 2, line 43 - line 48; figures 7A-7B * -----	2,4	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 16 May 1994	Examiner Hocquet, A
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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